

PATENT SPECIFICATION



Application Date: March 13, 1933. No. 29,783/32.

395,552

Complete Accepted: July 20, 1933.

COMPLETE SPECIFICATION.

An Improved System of Lighting for Road Vehicles.

I, CLAUDE LESLIE JACKSON, of 31, Wellington Road, Coalbrookdale, the County of Shropshire, British Subject, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention relates to improvements in lighting systems for road vehicles.

Notoriously, in connection with the driving of motor road vehicles at night difficulty is experienced when passing other vehicles on account of the dazzling effect of the head lights.

Among various suggestions which have been made to overcome this drawback it has been proposed—see the prior specification 232,622—to provide a motor road vehicle on the off-side with a lamp which comes into operation when the head lights are dimmed or switched off and which is located in such a position, below the level of the eyes of the driver, that the off-side only of the vehicle and the adjacent part of the roadway on that side are illuminated by means of a flood light. In the proposed prior construction the lamp was carried by a hinged arm fitted to the windscreen near the lower corner on the off-side.

It has also been proposed, inter alia, to position adjacent to the head light on the off-side a lamp serving to direct a beam in the direction opposite to the head light, the casing of said lamp being partly cut away in order that the beam may be projected laterally outward, as well as rearwardly, the light-projecting means being cowed by the casing in such manner as to prevent light from being directed upwards into the eyes of the occupants of the vehicle.

The present invention consists in the arrangement of a lamp which comes into operation when one or both head lights is or are switched off and which is carried by an arm or bracket rigidly secured and projecting laterally from a point on the off-side of the vehicle located immediately in front of and below the lower edge of the windscreen, so that the off-side only of the vehicle, below the level of the

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driver's eyes, and the part of the roadway in front of and behind the vehicle on that side are illuminated.

In the accompanying drawings Figs. 1, 2 and 3 are respectively a side view, a front view and a plan view of a motor car provided with a lamp fitted according to the invention.

As shown a lamp 1 supported by an arm or bracket 2 rigidly secured to the body of the vehicle is positioned on the off-side of the vehicle at a point in front of and below the lower edge of the windscreen so as to throw a floodlight forwards, rearwards, and downwards to illuminate the roadway on the off-side and that part of the off-side of the vehicle below the level of the eyes of the driver. The reflector of the lamp is so positioned as to prevent stray rays from meeting the eyes of the driver of an oncoming vehicle. As shown in the drawings, the reflector casing is of approximately oval formation as seen in plan and its lower edge is located in a single horizontal plane.

When the vehicle is stationary or travelling, the off-side is clearly illuminated so that other vehicles may pass with safety.

The lamp 1 may also be used as a signal or indication when the car is moving towards the off-side, such as when turning.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

1. In a system of lighting for road vehicles the arrangement of a lamp which comes into operation when one or both head lights is or are switched off and which is carried by an arm or bracket rigidly secured and projecting laterally from a point on the off-side of the vehicle located immediately in front of and below the lower edge of the windscreen so that the off-side only of the vehicle, below the level of the driver's eyes, and the part of the roadway in front of and behind the vehicle at that side are illuminated.

2. The arrangement claimed in claim 1 in which the reflector casing is of approxi-

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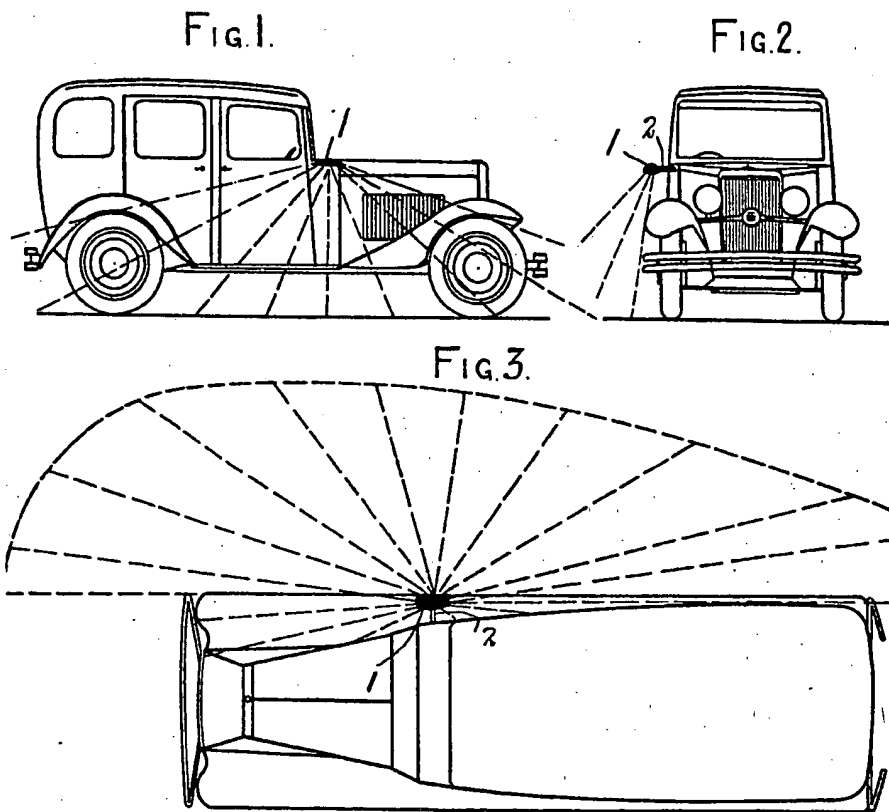
mately oval formation as seen in plan and its lower edge is located in a single horizontal plane.

Dated this 11th day of March, 1933.

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Redhill: Printed for His Majesty's Stationery Office, by Love & Malcomson, Ltd.—1933.

[This Drawing is a reproduction of the Original on a reduced scale.]



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